

Release notes for ENDF/B Development n-052\_Te\_127m1  
evaluation

**ENDF**  
**B-VII**.dev

April 26, 2017

- checkr Warnings:

1. A previous error halted parsing of the current section  
*MAT=5247, MF= 1, MT=451 (1): Parsing stopped*

```

ERROR(S) FOUND IN MAT=5247, MF= 1, MT=451
SECTION CANNOT BE CHECKED FROM SEQUENCE NUMBER      225 TO      284

```

- checkr Errors:

1. A variable is outside the allowed ENDF range  
*MAT=5247, MF= 1, MT=451 (0): Variable range*

```

ERROR(S) FOUND IN MAT=5247, MF= 1, MT=451
MOD =      1 OUT OF RANGE      0 -      0      RECORD NUMBER      225

```

2. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5247, MF= 2, MT=151 (0): Directory (b)*

```

ERROR(S) FOUND IN MAT=5247, MF= 2, MT=151
SECTION 2/151 NOT IN DIRECTORY      RECORD NUMBER      286

```

3. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5247, MF= 3, MT= 1 (0): Directory (b)*

```

ERROR(S) FOUND IN MAT=5247, MF= 3, MT= 1
SECTION 3/ 1 NOT IN DIRECTORY      RECORD NUMBER      655

```

4. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5247, MF= 3, MT= 2 (0): Directory (b)*

```

ERROR(S) FOUND IN MAT=5247, MF= 3, MT= 2
SECTION 3/ 2 NOT IN DIRECTORY      RECORD NUMBER      723

```

5. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5247, MF= 3, MT= 4 (0): Directory (b)*

```

ERROR(S) FOUND IN MAT=5247, MF= 3, MT= 4
SECTION 3/ 4 NOT IN DIRECTORY      RECORD NUMBER      786

```

6. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5247, MF= 3, MT= 16 (0): Directory (b)*

```

ERROR(S) FOUND IN MAT=5247, MF= 3, MT= 16
SECTION 3/ 16 NOT IN DIRECTORY      RECORD NUMBER      810

```

7. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5247, MF= 3, MT= 17 (0): Directory (b)*

ERROR(S) FOUND IN MAT=5247, MF= 3, MT= 17  
SECTION 3/ 17 NOT IN DIRECTORY RECORD NUMBER 822

8. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5247, MF= 3, MT= 22 (0): Directory (b)*

ERROR(S) FOUND IN MAT=5247, MF= 3, MT= 22  
SECTION 3/ 22 NOT IN DIRECTORY RECORD NUMBER 829

9. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5247, MF= 3, MT= 28 (0): Directory (b)*

ERROR(S) FOUND IN MAT=5247, MF= 3, MT= 28  
SECTION 3/ 28 NOT IN DIRECTORY RECORD NUMBER 843

10. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5247, MF= 3, MT= 32 (0): Directory (b)*

ERROR(S) FOUND IN MAT=5247, MF= 3, MT= 32  
SECTION 3/ 32 NOT IN DIRECTORY RECORD NUMBER 853

11. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5247, MF= 3, MT= 51 (0): Directory (b)*

ERROR(S) FOUND IN MAT=5247, MF= 3, MT= 51  
SECTION 3/ 51 NOT IN DIRECTORY RECORD NUMBER 861

12. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5247, MF= 3, MT= 52 (0): Directory (b)*

ERROR(S) FOUND IN MAT=5247, MF= 3, MT= 52  
SECTION 3/ 52 NOT IN DIRECTORY RECORD NUMBER 885

13. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5247, MF= 3, MT= 53 (0): Directory (b)*

ERROR(S) FOUND IN MAT=5247, MF= 3, MT= 53  
SECTION 3/ 53 NOT IN DIRECTORY RECORD NUMBER 904

14. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5247, MF= 3, MT= 54 (0): Directory (b)*

ERROR(S) FOUND IN MAT=5247, MF= 3, MT= 54  
SECTION 3/ 54 NOT IN DIRECTORY RECORD NUMBER 921

15. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5247, MF= 3, MT= 55 (0): Directory (b)*

- |   |               |     |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=5247, MF= 3, MT= 55 | RECORD NUMBER | 937 |
| SECTION 3/ 55 NOT IN DIRECTORY            |               |     |
16. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5247, MF= 3, MT= 56 (0): Directory (b)*
- |   |               |     |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=5247, MF= 3, MT= 56 | RECORD NUMBER | 953 |
| SECTION 3/ 56 NOT IN DIRECTORY            |               |     |
17. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5247, MF= 3, MT= 57 (0): Directory (b)*
- |   |               |     |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=5247, MF= 3, MT= 57 | RECORD NUMBER | 968 |
| SECTION 3/ 57 NOT IN DIRECTORY            |               |     |
18. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5247, MF= 3, MT= 58 (0): Directory (b)*
- |   |               |     |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=5247, MF= 3, MT= 58 | RECORD NUMBER | 983 |
| SECTION 3/ 58 NOT IN DIRECTORY            |               |     |
19. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5247, MF= 3, MT= 59 (0): Directory (b)*
- |   |               |     |
|---|---------------|-----|
| ERROR(S) FOUND IN MAT=5247, MF= 3, MT= 59 | RECORD NUMBER | 998 |
| SECTION 3/ 59 NOT IN DIRECTORY            |               |     |
20. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5247, MF= 3, MT= 60 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5247, MF= 3, MT= 60 | RECORD NUMBER | 1012 |
| SECTION 3/ 60 NOT IN DIRECTORY            |               |      |
21. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5247, MF= 3, MT= 61 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5247, MF= 3, MT= 61 | RECORD NUMBER | 1026 |
| SECTION 3/ 61 NOT IN DIRECTORY            |               |      |
22. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5247, MF= 3, MT= 62 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5247, MF= 3, MT= 62 | RECORD NUMBER | 1039 |
| SECTION 3/ 62 NOT IN DIRECTORY            |               |      |
23. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5247, MF= 3, MT= 63 (0): Directory (b)*

- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=5247, MF= 3, MT= 63 |                    |
|  | SECTION 3/ 63 NOT IN DIRECTORY            | RECORD NUMBER 1052 |
24. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5247, MF= 3, MT= 64 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=5247, MF= 3, MT= 64 |                    |
|  | SECTION 3/ 64 NOT IN DIRECTORY            | RECORD NUMBER 1064 |
25. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5247, MF= 3, MT= 65 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=5247, MF= 3, MT= 65 |                    |
|  | SECTION 3/ 65 NOT IN DIRECTORY            | RECORD NUMBER 1075 |
26. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5247, MF= 3, MT= 91 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=5247, MF= 3, MT= 91 |                    |
|  | SECTION 3/ 91 NOT IN DIRECTORY            | RECORD NUMBER 1086 |
27. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5247, MF= 3, MT=102 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=5247, MF= 3, MT=102 |                    |
|  | SECTION 3/102 NOT IN DIRECTORY            | RECORD NUMBER 1097 |
28. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5247, MF= 3, MT=103 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=5247, MF= 3, MT=103 |                    |
|  | SECTION 3/103 NOT IN DIRECTORY            | RECORD NUMBER 1121 |
29. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5247, MF= 3, MT=104 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=5247, MF= 3, MT=104 |                    |
|  | SECTION 3/104 NOT IN DIRECTORY            | RECORD NUMBER 1136 |
30. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5247, MF= 3, MT=105 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=5247, MF= 3, MT=105 |                    |
|  | SECTION 3/105 NOT IN DIRECTORY            | RECORD NUMBER 1148 |
31. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5247, MF= 3, MT=107 (0): Directory (b)*

- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=5247, MF= 3, MT=107 |                    |
|  | SECTION 3/107 NOT IN DIRECTORY            | RECORD NUMBER 1160 |
32. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5247, MF= 4, MT= 2 (0): Directory (b)*
- |  |  |                    |
|--|--|--------------------|
|  | ERROR(S) FOUND IN MAT=5247, MF= 4, MT= 2 |                    |
|  | SECTION 4/ 2 NOT IN DIRECTORY            | RECORD NUMBER 1177 |
33. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5247, MF= 4, MT= 16 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=5247, MF= 4, MT= 16 |                    |
|  | SECTION 4/ 16 NOT IN DIRECTORY            | RECORD NUMBER 1360 |
34. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5247, MF= 4, MT= 17 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=5247, MF= 4, MT= 17 |                    |
|  | SECTION 4/ 17 NOT IN DIRECTORY            | RECORD NUMBER 1371 |
35. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5247, MF= 4, MT= 22 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=5247, MF= 4, MT= 22 |                    |
|  | SECTION 4/ 22 NOT IN DIRECTORY            | RECORD NUMBER 1382 |
36. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5247, MF= 4, MT= 28 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=5247, MF= 4, MT= 28 |                    |
|  | SECTION 4/ 28 NOT IN DIRECTORY            | RECORD NUMBER 1393 |
37. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5247, MF= 4, MT= 32 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=5247, MF= 4, MT= 32 |                    |
|  | SECTION 4/ 32 NOT IN DIRECTORY            | RECORD NUMBER 1404 |
38. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5247, MF= 4, MT= 51 (0): Directory (b)*
- |  |   |                    |
|--|---|--------------------|
|  | ERROR(S) FOUND IN MAT=5247, MF= 4, MT= 51 |                    |
|  | SECTION 4/ 51 NOT IN DIRECTORY            | RECORD NUMBER 1415 |
39. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5247, MF= 4, MT= 52 (0): Directory (b)*

- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5247, MF= 4, MT= 52 | RECORD NUMBER | 1442 |
| SECTION 4/ 52 NOT IN DIRECTORY            |               |      |
40. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5247, MF= 4, MT= 53 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5247, MF= 4, MT= 53 | RECORD NUMBER | 1469 |
| SECTION 4/ 53 NOT IN DIRECTORY            |               |      |
41. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5247, MF= 4, MT= 54 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5247, MF= 4, MT= 54 | RECORD NUMBER | 1497 |
| SECTION 4/ 54 NOT IN DIRECTORY            |               |      |
42. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5247, MF= 4, MT= 55 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5247, MF= 4, MT= 55 | RECORD NUMBER | 1522 |
| SECTION 4/ 55 NOT IN DIRECTORY            |               |      |
43. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5247, MF= 4, MT= 56 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5247, MF= 4, MT= 56 | RECORD NUMBER | 1547 |
| SECTION 4/ 56 NOT IN DIRECTORY            |               |      |
44. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5247, MF= 4, MT= 57 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5247, MF= 4, MT= 57 | RECORD NUMBER | 1575 |
| SECTION 4/ 57 NOT IN DIRECTORY            |               |      |
45. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5247, MF= 4, MT= 58 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5247, MF= 4, MT= 58 | RECORD NUMBER | 1600 |
| SECTION 4/ 58 NOT IN DIRECTORY            |               |      |
46. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5247, MF= 4, MT= 59 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5247, MF= 4, MT= 59 | RECORD NUMBER | 1625 |
| SECTION 4/ 59 NOT IN DIRECTORY            |               |      |
47. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5247, MF= 4, MT= 60 (0): Directory (b)*

- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5247, MF= 4, MT= 60 | RECORD NUMBER | 1650 |
| SECTION 4/ 60 NOT IN DIRECTORY            |               |      |
48. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5247, MF= 4, MT= 61 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5247, MF= 4, MT= 61 | RECORD NUMBER | 1675 |
| SECTION 4/ 61 NOT IN DIRECTORY            |               |      |
49. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5247, MF= 4, MT= 62 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5247, MF= 4, MT= 62 | RECORD NUMBER | 1703 |
| SECTION 4/ 62 NOT IN DIRECTORY            |               |      |
50. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5247, MF= 4, MT= 63 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5247, MF= 4, MT= 63 | RECORD NUMBER | 1728 |
| SECTION 4/ 63 NOT IN DIRECTORY            |               |      |
51. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5247, MF= 4, MT= 64 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5247, MF= 4, MT= 64 | RECORD NUMBER | 1753 |
| SECTION 4/ 64 NOT IN DIRECTORY            |               |      |
52. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5247, MF= 4, MT= 65 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5247, MF= 4, MT= 65 | RECORD NUMBER | 1776 |
| SECTION 4/ 65 NOT IN DIRECTORY            |               |      |
53. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5247, MF= 4, MT= 91 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5247, MF= 4, MT= 91 | RECORD NUMBER | 1799 |
| SECTION 4/ 91 NOT IN DIRECTORY            |               |      |
54. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5247, MF= 5, MT= 16 (0): Directory (b)*
- |   |               |      |
|---|---------------|------|
| ERROR(S) FOUND IN MAT=5247, MF= 5, MT= 16 | RECORD NUMBER | 1825 |
| SECTION 5/ 16 NOT IN DIRECTORY            |               |      |
55. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5247, MF= 5, MT= 17 (0): Directory (b)*



ERROR(S) FOUND IN MAT=5247, MF= 5, MT= 17  
SECTION 5/ 17 NOT IN DIRECTORY RECORD NUMBER 1902

56. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5247, MF= 5, MT= 22 (0): Directory (b)*

ERROR(S) FOUND IN MAT=5247, MF= 5, MT= 22  
SECTION 5/ 22 NOT IN DIRECTORY RECORD NUMBER 1933

57. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5247, MF= 5, MT= 28 (0): Directory (b)*

ERROR(S) FOUND IN MAT=5247, MF= 5, MT= 28  
SECTION 5/ 28 NOT IN DIRECTORY RECORD NUMBER 2127

58. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5247, MF= 5, MT= 32 (0): Directory (b)*

ERROR(S) FOUND IN MAT=5247, MF= 5, MT= 32  
SECTION 5/ 32 NOT IN DIRECTORY RECORD NUMBER 2227

59. Missing a section in directory so your directory is messed up. This error will break everything else  
*MAT=5247, MF= 5, MT= 91 (0): Directory (b)*

ERROR(S) FOUND IN MAT=5247, MF= 5, MT= 91  
SECTION 5/ 91 NOT IN DIRECTORY RECORD NUMBER 2271

• recent Warnings:

1. Fission widths given for non-fissile nucleus, but are zero  
*0: Fission?*

```
Calculate Cross Sections from Resonance Parameters (RECENT 2015-1)
=====
Retrieval Criteria----- MAT
File 2 Minimum Cross Section- 1.0000E-10 (Standard Option)
Reactions with No Background- Output (Resonance Contribution)
... [627 more lines]
```

• fudge-4.0 Warnings:

1. The URR for this spin group needs higher energy resolution for correct representation of the average cross section  
*resonances / unresolved (Error # 0): URRinsufficientEnergyGrid*

```
WARNING: More points needed in L=0 J=5.0 unresolved widths between 10. eV and 1.e2 eV
WARNING: More points needed in L=0 J=6.0 unresolved widths between 10. eV and 1.e2 eV
WARNING: More points needed in L=1 J=4.0 unresolved widths between 10. eV and 1.e2 eV
WARNING: More points needed in L=1 J=5.0 unresolved widths between 10. eV and 1.e2 eV
... plus 8 more instances of this message
```

2. Cross section does not match sum of linked reaction cross sections  
*crossSectionSum label 0: total (Error # 0): CS Sum.*

WARNING: Cross section does not match sum of linked reaction cross sections! Max diff: 0.38%

- fudge-4.0 Errors:

1. Calculated and tabulated Q values disagree.  
*reaction label 17:  $n[\text{multiplicity:}'2'] + \text{Te126}$  (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -6334381.133041382 eV vs -6.2951e6 eV!

2. Calculated and tabulated Q values disagree.  
*reaction label 18:  $n[\text{multiplicity:}'3'] + \text{Te125}$  (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -15448073.00337219 eV vs -1.54182e7 eV!

3. Calculated and tabulated Q values disagree.  
*reaction label 19:  $n + \text{H1} + \text{Sb126}$  (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -9218193.860488892 eV vs -9176630. eV!

4. Calculated and tabulated Q values disagree.  
*reaction label 20:  $n + \text{H2} + \text{Sb125}$  (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -13207860.90431213 eV vs -1.30926e7 eV!

5. Calculated and tabulated Q values disagree.  
*reaction label 21:  $\text{Te128} + \text{gamma}$  (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: 8735768.739959717 eV vs 8866990. eV!

6. Calculated and tabulated Q values disagree.  
*reaction label 22:  $n + \text{He4} + \text{Sn123}$  (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -2932080.878433228 eV vs -2.8859e6 eV!

7. Calculated and tabulated Q values disagree.  
*reaction label 23:  $\text{H1} + \text{Sb127-s}$  (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -845192.5225372314 eV vs -798537. eV!

8. Calculated and tabulated Q values disagree.  
*reaction label 24:  $\text{H2} + \text{Sb126-s}$  (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -6993627.759552002 eV vs -6866510. eV!

9. Calculated and tabulated Q values disagree.  
*reaction label 25:  $\text{H3} + \text{Sb125-s}$  (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: -6950627.963699341 eV vs -6907460. eV!

10. Calculated and tabulated Q values disagree.  
*reaction label 26:  $\text{He4} + \text{Sn124-s}$  (Error # 0): Q mismatch*

WARNING: Calculated and tabulated Q-values disagree: 5555513.788665771 eV vs 5609190. eV!

- njoy2012 Warnings:

1. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!  
*group...compute self-shielded group-averaged cross-sections (0): GROUPR/conver (0)*

```
---message from conver---cannot do complete particle production for mt= 16
only mf4/mf5 provided
```

2. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!  
*group...compute self-shielded group-averaged cross-sections (1): GROUPR/conver (0)*

```
---message from conver---cannot do complete particle production for mt= 17
only mf4/mf5 provided
```

3. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!  
*group...compute self-shielded group-averaged cross-sections (2): GROUPR/conver (0)*

```
---message from conver---cannot do complete particle production for mt= 22
only mf4/mf5 provided
```

4. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!  
*group...compute self-shielded group-averaged cross-sections (3): GROUPR/conver (0)*

```
---message from conver---cannot do complete particle production for mt= 28
only mf4/mf5 provided
```

5. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!  
*group...compute self-shielded group-averaged cross-sections (4): GROUPR/conver (0)*

```
---message from conver---cannot do complete particle production for mt= 32
only mf4/mf5 provided
```

6. With the advent of the ENDF-6 format, it is possible to make evaluations that fully describe all the products of a nuclear reaction. Some carry-over evaluations from earlier ENDF/B versions also have this capability, but many do not. This message is intended to goad evaluators to improve things!  
*group...compute self-shielded group-averaged cross-sections (5): GROUPR/conver (0)*

```
---message from conver---cannot do complete particle production for mt= 91
only mf4/mf5 provided
```